

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the Application. Please amend the claims to read as follows and cancel without prejudice or disclaimer the claims marked as canceled:

#### Listing of Claims

1.-43. (Canceled)

44. (Currently Amended) A method for transmitting between a wireless device and a plurality of stations, comprising:

dividing a frequency bandwidth of a downlink channel into a plurality of uplink sub-channels;

allocating ~~[[a]]~~ an uplink sub-channel from said plurality of uplink sub-channels to each of the ~~stations~~ station from the plurality of stations;

~~transmitting said allocation of said sub-channel the station allocated thereto;~~

transmitting a multicast transmission to the plurality of stations over said downlink channel; and

receiving an acknowledgement from a station from the plurality of stations over said uplink sub-channel allocated thereto.

45. (Previously Presented) The method of Claim 44, further comprising:

retransmitting said multicast transmission if an acknowledgment of said multicast transmission is not received from all of the plurality of stations.

46. (Previously Presented) The method of Claim 44, further comprising:

assigning a group to at least one of the plurality of stations; and

transmitting said group assignment to said at least one of said plurality of stations.

47. (Previously Presented) The method of Claim 46, wherein said assignment is based on a received signal strength of said at least one of the plurality of stations.

48. (Previously Presented) The method of Claim 46, wherein said assignment is based on a dynamic range of a receiver of said at least one of the plurality of stations.

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49. **(Previously Presented)** The method of Claim 46, wherein said transmitting of said multicast transmission is to all stations assigned to said group.
50. **(Currently Amended)** A processor-readable storage medium having stored thereon instructions that, if executed by a processor, cause the processor to perform a method comprising:  
dividing a frequency bandwidth of a downlink channel into a plurality of uplink sub-channels;  
allocating ~~[[a]]~~ an uplink sub-channel from said plurality of uplink sub-channels to each ~~[[of]]~~ station from a plurality of stations;  
~~transmitting said allocation of said sub-channel to the station allocated thereto;~~  
transmitting a multicast transmission to said plurality of stations over said downlink channel; and  
receiving an acknowledgement from a station from said plurality of stations over said uplink sub-channel allocated thereto.
51. **(Previously Presented)** The processor-readable storage medium of Claim 50, wherein the method further comprises:  
retransmitting said multicast transmission if an acknowledgment of said multicast transmission is not received from all of said plurality of stations.
52. **(Previously Presented)** The processor-readable storage medium of Claim 50, wherein the method further comprises:  
assigning a group to at least one of said plurality of stations; and  
transmitting said group assignment to said at least one of said plurality of stations.

53. **(Previously Presented)** A wireless device, comprising:  
a channel divider for dividing a frequency bandwidth of a downlink channel into a plurality of uplink sub-channels;  
an allocator for allocating ~~[[a]]~~ an uplink sub-channel from said plurality of uplink sub-channels to each ~~[[of]]~~ station from a plurality of stations;  
~~a transmitter for transmitting said allocation of said sub-channel to the station allocated thereto and~~ for transmitting a multicast transmission to said plurality of stations over said downlink channel; and  
a receiver for receiving an acknowledgement from a station from said plurality of stations over said uplink sub-channel allocated thereto.
54. **(Previously Presented)** The wireless device of Claim 53, wherein said transmitter is for retransmitting said multicast transmission if an acknowledgment of said multicast transmission is not received from all of said plurality of stations.
55. **(Currently Amended)** The wireless device of Claim 53, further comprising:  
~~an assigner~~ a controller for assigning a group to at least one of said plurality of stations, and wherein said transmitter is for transmitting said group assignment to said at least one of said plurality of stations.
56. **(Currently Amended)** A processor for a wireless device, comprising:  
a channel divider for dividing a frequency bandwidth of a downlink channel into a plurality of uplink sub-channels;  
an allocator for allocating ~~[[a]]~~ an uplink sub-channel from said plurality of uplink sub-channels to each ~~[[of]]~~ station from a plurality of stations; and  
a controller for a transmitter ~~for transmitting said allocation of said sub-channel to the station allocated thereto and~~ for transmitting a multicast transmission to said plurality of stations over said downlink channel and for a receiver for receiving an acknowledgement from a station from said plurality of stations over said uplink sub-channel allocated thereto.
57. **(Previously Presented)** The processor of Claim 56, wherein said controller controls said transmitter for retransmitting said multicast transmission if an acknowledgment of said multicast transmission is not received from all of said plurality of stations.

58. **(Currently Amended)** The processor of Claim 56, further comprising:  
~~an assigner~~ said controller for assigning a group to at least one of said plurality of stations, and wherein said controller controls said transmitter for transmitting said group assignment to said at least one of said plurality of stations.
59. **(Currently Amended)** A wireless device, comprising:  
a channel divider for dividing a frequency bandwidth of a downlink channel into a plurality of uplink sub-channels;  
an allocator for allocating ~~[[a]]~~ an uplink sub-channel from said plurality of uplink sub-channels to each ~~[[of]]~~ station from a plurality of stations;  
~~a transmitter for transmitting said allocation of said sub-channel to the station allocated thereto and~~ for transmitting a multicast transmission to said plurality of stations over said downlink channel;  
a receiver for receiving an acknowledgement from a station from said plurality of stations over said uplink sub-channel allocated thereto; and  
a dipole antenna operably connected to said transmitter and said receiver.
60. **(Previously Presented)** The wireless device of Claim 59, wherein said transmitter is for retransmitting said multicast transmission if an acknowledgment of said multicast transmission is not received from all of said plurality of stations.
61. **(Currently Amended)** The wireless device of Claim 59, further comprising:  
~~an assigner~~ a controller for assigning a group to at least one of said plurality of stations, and wherein said transmitter is for transmitting said group assignment to said at least one of said plurality of stations.

62. **(Currently Amended)** A method for transmitting between a station and a wireless device, comprising:
- receiving an allocation of ~~[[a]]~~ an uplink sub-channel ~~[[of]]~~ from a plurality of uplink sub-channels ~~from the wireless device~~, wherein said plurality of uplink sub-channels are a frequency bandwidth division of a downlink channel;
  - receiving a multicast transmission from the wireless device over said downlink channel; and
  - transmitting to the wireless device an acknowledgment over said uplink sub-channel allocated to the station.
63. **(Previously Presented)** The method of Claim 62, further comprising:
- requesting membership in a group comprising at least one station; and
  - transmitting said group membership request to the wireless device.
64. **(Currently Amended)** A processor-readable storage medium having stored thereon instructions that, if executed by a processor, cause the processor to perform a method comprising:
- receiving an allocation of ~~[[a]]~~ an uplink sub-channel ~~[[of]]~~ from a plurality of uplink sub-channels ~~from a wireless device~~, wherein said plurality of uplink sub-channels are a frequency bandwidth division of a downlink channel;
  - receiving a multicast transmission from ~~[[said]]~~ a wireless device over said downlink channel; and
  - transmitting to the wireless device an acknowledgment over said allocated uplink ~~sub-channel allocated to the station~~.
65. **(Previously Presented)** The processor-readable storage medium of Claim 64, wherein the method further comprises:
- requesting membership in a group comprising at least one station; and
  - transmitting said group membership request to said wireless device.

66. **(Currently Amended)** A station, comprising:

a ~~receiver~~ controller for receiving an allocation of ~~[[a]] an uplink~~ sub-channel ~~[[of]] from~~ a plurality of uplink sub-channels ~~from a wireless device~~, wherein said plurality of uplink sub-channels are a frequency bandwidth division of a downlink channel; ~~[[and]]~~

a receiver for receiving a multicast transmission from ~~[[said]] a~~ wireless device over said downlink channel; and

a transmitter for transmitting to the wireless device an acknowledgment over said uplink sub-channel allocated to the station.

67. **(Currently Amended)** The station of Claim 66, further comprising:

a requestor for requesting membership in a group comprising at least one station, ~~station;~~ and wherein said transmitter is for transmitting said group membership request to said wireless device.

68. **(Currently Amended)** A processor, comprising:

a controller ~~for a receiver~~ for receiving an allocation of ~~[[a]] an uplink~~ sub-channel ~~[[of]] from~~ a plurality of uplink sub-channels ~~from a wireless device~~, wherein said plurality of uplink sub-channels are a frequency bandwidth division of a downlink channel; and

said control for a receiver for receiving a multicast transmission from ~~[[said]] a~~ wireless device over said downlink channel and for a transmitter for transmitting to the wireless device an acknowledgment over said allocated uplink sub-channel ~~allocated to the station~~.

69. **(Currently Amended)** The processor of Claim 68, further comprising:

a requestor for requesting membership in a group comprising at least one station, ~~station;~~ and wherein said controller controls said transmitter for transmitting said group membership request to said wireless device.

70. **(Currently Amended)** A station, comprising:

a ~~receiver controller~~ for receiving an allocation of ~~[[a]]~~ an uplink sub-channel ~~[[of]]~~  
~~from~~ a plurality of uplink sub-channels ~~from a wireless device~~, wherein said  
plurality of uplink sub-channels are a frequency bandwidth division of a downlink  
channel; ~~[[and]]~~

a receiver for receiving a multicast transmission from ~~[[said]]~~ a wireless device over  
said downlink station;

a transmitter for transmitting to the wireless device an acknowledgment over said  
uplink sub-channel allocated to the station; and

a dipole antenna operably connected to said transmitter and said receiver.

71. **(Currently Amended)** The station of Claim 70, further comprising:

a requestor for requesting membership in a group comprising at least one station,  
~~station; and~~ wherein said transmitter is for transmitting said group membership  
request to said wireless device.

72. **(Currently Amended)** A method for transmitting and receiving between a wireless device and a plurality of stations, comprising:  
dividing a frequency bandwidth of a downlink channel into a plurality of uplink sub-channels by the wireless device;  
allocating ~~[[a]]~~ an uplink sub-channel from said plurality of uplink sub-channels to each of the stations station from the plurality of stations by the wireless device;  
~~transmitting said allocation of said sub-channel to the station allocated thereto by the wireless device;~~  
receiving said allocation ~~from the wireless device~~ by at least one of the stations;  
transmitting a multicast transmission to the plurality of stations over said downlink channel by the wireless device;  
receiving said multicast transmission from the wireless device over said downlink channel by at least one of the stations;  
transmitting to the wireless device an acknowledgment ~~by at least one of the stations which received said multicast transmission~~ over said uplink sub-channel allocated to the station said at least one of the stations which received said multicast transmission by said at least one of the stations; and  
receiving said acknowledgement from said at least one of the stations which received said multicast transmission over said uplink sub-channel allocated thereto by the wireless device.
73. **(Previously Presented)** The method of Claim 72, further comprising:  
retransmitting said multicast transmission by the wireless device if an acknowledgment of said multicast transmission is not received from all of the plurality of stations.
74. **(Previously Presented)** The method of Claim 72, further comprising:  
assigning a group to at least one of the plurality of stations by the wireless device;  
and  
transmitting said group assignment to said at least one of said plurality of stations by the wireless device.



75. **(Previously Presented)** The method of Claim 74, wherein said assignment is based on a received signal strength of said at least one of the plurality of stations.
76. **(Previously Presented)** The method of Claim 74, wherein said assignment is based on a dynamic range of a receiver of said at least one of the plurality of stations.
77. **(Previously Presented)** The method of Claim 74, wherein said transmitting of said multicast transmission by the wireless device is to all stations assigned to said group.
78. **(Currently Amended)** A wireless communication system, comprising:  
a wireless device and a plurality of stations, wherein said wireless device comprises:  
a channel divider for dividing a frequency bandwidth of a downlink channel into a plurality of uplink sub-channels;  
an allocator for allocating ~~[[a]]~~ an uplink sub-channel from said plurality of uplink sub-channels to each ~~[[of]]~~ station from said plurality of stations;  
~~a transmitter for transmitting said allocation of said sub-channel to the station allocated thereto and~~ for transmitting a multicast transmission to said plurality of stations over said downlink channel; and  
a receiver for receiving an acknowledgement from a station from said plurality of stations over said uplink sub-channel allocated ~~thereto~~; ~~thereto~~, and  
wherein at least one of said plurality of stations, comprises:  
~~a receiver controller for receiving said allocation of said uplink sub-channel; from said wireless device and~~  
a receiver for receiving said multicast transmission from said wireless device over said downlink channel; and  
a transmitter for transmitting to said wireless device said acknowledgment over said uplink sub-channel allocated to the at least one of said plurality of stations.  
~~station.~~

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79. **(Previously Presented)** The wireless communication system of Claim 78, wherein said transmitter of said wireless device is for retransmitting said multicast transmission if an acknowledgment of said multicast transmission is not received from all of said plurality of stations.
80. **(Previously Presented)** The wireless communication system of Claim 78, wherein said wireless device further comprises an assignor for assigning a group to at least one of said plurality of stations, and wherein said transmitter is for transmitting said group assignment to said at least one of said plurality of stations.
81. **(Previously Presented)** The wireless communication system of Claim 78, wherein said at least of said plurality of station further comprises a requestor for requesting membership in a group comprising at least one station; and wherein said transmitter is for transmitting said group membership request to said wireless device.